

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42540
Ordering Codes:	PE42540LGBD-Z
Description:	UltraCMOS® SP4T RF Switch 10 Hz - 8 GHz
Package:	32L 5x5 LGA
Environmental Compliance	EU RoHS2 Directive 2011/65/EC, REACH - EU ECHA SVHC, Arsenic Free , JIG 101 - EIA/EICTA/JEITA, Halogen Free - IEC61249-2-21, PFOS Free - 2006/122/EC, Antimony Trioxide Free
Lead Finish	NiAu
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire (Al2O3)	1344-28-1	1.606300	3.27%	32,663
Package					
Mold Compound	Biphenyl resin	Trade secret	4.500000	9.15%	91,503
	Silica Fused (SiO2)	60676-86-0	28.900000	58.77%	587,656
Laminate	Laminate	Trade secret	5.300000	10.78%	107,771
	Solder Mask (SM)	Trade secret	2.200000	4.47%	44,735
	Copper (Cu)	7440-50-8	2.700000	5.49%	54,902
	Nickel (Ni)	7440-02-0	0.900000	1.83%	18,301
	Gold (Au)	7440-57-5	0.200000	0.41%	4,067
	SOP SAC305	-	0.050000	0.10%	1,017
Bump	Tin (Sn)	7440-31-5	2.688000	5.47%	54,658
	Silver (Ag)	7440-22-4	0.099000	0.20%	2,013
	Copper (Cu)	7440-50-8	0.028000	0.06%	569
UBM	Titanium (Ti)	7440-32-6	0.000000	0.00%	0
	Nickel (Ni)	7440-02-0	0.000000	0.00%	0
	Vanadium (V)	7440-62-2	0.000000	0.00%	0
	Copper (Cu)	7440-50-8	0.000000	0.00%	0
	Spheron	Proprietary	0.007160	0.01%	146
Total Weight (mg)			49.178460	100.00%	1,000,000